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For the attention of the Authorized Officer : **Gabriele Bähr**

Re : Request for correcting of title (mistake from WIPO)
International application No. PCT/IB2003/004640 – International filing date : 16/10/2003
International publication No. WO2004/042719-A1
Applicant : KONINKLIJKE PHLIPS ELECTRONICS N.V.
National Phase deadline 06 MAY 2005

Sirs,

The title of the description have been changed in accordance with the new title established by the ISA Authority (PCT International Search Report dated 04/02/2004) as follows:

"APPARATUS AND METHOD FOR DETERMING ANGULAR POSITION OF A ROTATING DISK"

and applied in the description as published.

We note that the title in your "front page" of the publication differs of the title of the description as follows:

"APPARATUS AND METHOD FOR DETERMINING ANGULAR POSITION OF A ROTATING ~~DISK~~"

that will cause a risk of rejection from the U.S. Patent Office.

So, we request you to proceed to the following correction, so that the title appears in the front page and in every page(s) where it is needed:

"APPARATUS AND METHOD FOR DETERMINING ANGULAR POSITION OF A ROTATING DISK"

As we had applied the 1st title on our official documents to be furnished for the National Phases, and now duly signed by the inventors, we will have to send us again these documents to be signed, with the right title.

Many thanks for your cooperation.

J. CHAFFRAIX
Patent Attorney

Encl.: copy of "frontpage", 1st page of description, forms PCT/ISA/220, 210

PROPRIETE INDUSTRIELLE

SOCIETE CIVILE "SPID" 156 Boulevard HAUSSMANN 75008 PARIS (FRANCE)
Tél. : 33 (0)1 40 76 80 00 Fax.: 33 (0)1 45 61 05 36 Liste Spéciale INPI 422-5/S008

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(71) Applicant (*for all designated States except US*): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): BLACQUIERE, Johannis, F. [NL/FR]; Société Civile S.P.I.D. c/o. 156 Boulevard Haussmann, F-75008 Paris (FR). DE HOOG, Thomas, J. [NL/FR]; Société Civile S.P.I.D. c/o. 156, boulevard Haussmann, F-75008 Paris (FR). JANSSEN, Anthonius, P. [NL/FR]; Société Civile S.P.I.D. c/o. 156, boulevard Haussmann, F-75008 Paris (FR). SCHEP, Cornelis, M. [NL/FR]; Société Civile S.P.I.D. c/o. 156, boulevard Haussmann, F-75008 Paris (FR).

(74) Agent: CHAFFRAIX, Jean; Société Civile SPID, 156 Boulevard Haussmann, F-75008 Paris (FR).

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Declaration under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)*

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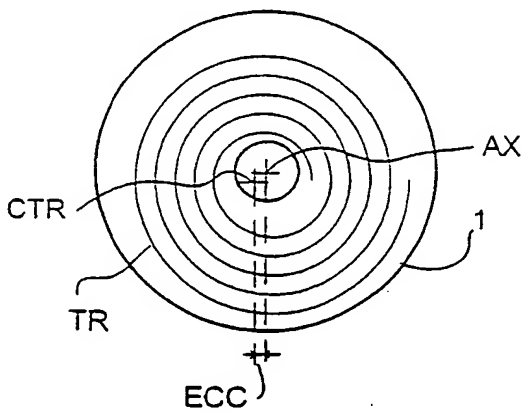
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: APPARATUS AND METHOD FOR DETERMINING ANGULAR POSITION OF A ROTATING DISK.



(57) Abstract: This apparatus relates to a data carrier which rotates about an axis and on which a track is provided for containing said data, said track spiraling around a center, which apparatus comprises an angle measurer for many purposes. For obtaining this angular position information, for example an eccentricity measurer is used. The eccentricity is defined by the non-coincidence of the center and the axis.Application: The invention is well suited to small-size optical discs, CD systems, DVD systems, and Blu-Ray systems.

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IN/

APPARATUS AND METHOD FOR DETERMINING ANGULAR POSITION OF A ROTATING DISK

The present invention relates to an apparatus for processing data on a data carrier which rotates about an axis and on which a spirally shaped track is provided for containing said data, said track spiraling around a center, this apparatus comprising an angle measuring device.

This apparatus finds many applications, notably for data carriers constituted by optical discs. These optical discs can be read or written by the user. A problem often occurring is finding angular position information concerning, for example, the position of a certain data block (LBA) on an optical disc. This angle may be used, for example, to write visible / readable effects on an unused part of a disc, be it on the inside, the outside, or somewhere in the middle. Another application is to use the angular position for managing the defects on an optical disc. Thanks to this angular position information, it is possible to replace a defective block with another one in a spare area located in another angular position on the disc. Furthermore, this invention can be used as input for the servo system memory loop or any other function that needs angular or position information.

The angle information for high-speed drives is provided by a tachometer coupled to the turntable motor, which is an excellent and quite accurate angle measurer. In low speed (AV) drives, however, such a tachometer is not present, because it is technically possible to work without them. In order to keep the price of such drives as low as possible, a simple DC spindle motor is used without a tachometer. However, determining the relative angle of the disc is often needed. For example, this angular position information is needed in the servo system to implement the feed forward function (also known as the memory loop function).

The invention proposes a solution for providing this angle-determining method which can be implemented very easily without extra cost.